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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/561,030

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Erkki Kirveskari

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EXAMINER

HUG, ERIC J

ART UNIT

PAPER NUMBER

1791

MAIL DATE

DELIVERY MODE

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/561,030	Applicant(s) KIRVESKARI, ERKKI	
	Examiner Eric Hug	Art Unit 1791	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 December 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 13-33 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 25-33 is/are allowed.
- 6) ☒ Claim(s) 13-24 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 December 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>12/16/2005</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 13-24 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 13 provides for the a method for calendering a paper or paperboard web, but since the claim merely characterizes the method and does not set forth any clear steps involved in the method, it is unclear what method applicant is intending to encompass. A claim is indefinite where it merely recites a method without any active, positive steps delimiting how this method is actually practiced.

Claim 13 recites: "...wherein the web is first led into a calendering step and then into a reeling step, and wherein the edge areas of the web are calendered separately from the rest of the web, and wherein at least one edge area of the web is calendered in the reeling step." The claim is indefinite, because it is uncertain if the calendering step refers to edge calendering or if it is a separate calendering step other than edge calendering. The claim is also indefinite, because it recites edge calendering twice including one in the reeling step, therefore implying that there are two separate edge calendering steps.

Claims 14-17 are rejected as being dependent on claim 13.

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Claim 18 recites: "...wherein the web is first led into a calendering step and then into a reeling step, and which device comprises means for calendering the edge areas of the web separately from the rest of the web, wherein the means for calendering at least one edge area of the web are provided in the reeling step." The claim is indefinite, because it is uncertain if the calendering step refers to the edge calendering, or if it is a separate calendering step other than edge calendering. The claim is also indefinite, because it recites both "means for calendering the edge areas" followed by "the means for calendering at least one edge area", making it uncertain whether only one or both edges must be calendered.

Claims 19-24 are rejected as being dependent on claim 18.

Allowable Subject Matter

Claims 25-33 are allowed.

Claims 13-24 would be allowable if rewritten or amended to overcome the rejections under 35 U.S.C. 112, 2nd paragraph, set forth above.

The following is a statement of reasons for the indication of allowable subject matter:

The prior art does not disclose or suggest calendering the edges of a paper or paperboard web separately from the rest of the web, wherein the edge calendering is performed in a reeling step.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Linden (US 2002/0060036) discloses calendering a web in a nip formed between a calendering belt and a reel drum.

Linkletter (US 4,087,319) discloses embossing a tissue web in conjunction with reeling.

Page (US 4,179,330) discloses calendering a web in a nip formed between a calendering roll and a reel drum.

Schmid (US 4,718,616) discloses a winding apparatus comprising a series of calendering nips formed between a winding roller and several calender rolls.

Balakrishnan (US 4,982,334) a calender with a profile control system.

Van Haag (US 6,024,838) a calender that can be adjusted in the edge zones.

Honkalampi (US 6,158,333) is the parent of US 6,189,442 cited by Applicant.

Rautakorpi et al (US 6,536,704) controls the structure of a reel of a web having higher thickness at the edges. The web is guided to different axial positions along the reel to account for thickness profiles.

Klerelid et al (US 6,743,334) discloses calendering a web on a support belt transporting the web to a reel drum.

Lin et al (US 6,755,940) discloses caliper control of a web as it is being wound.

Laumer et al (GB 2100768) discloses calendering in close proximity to reeling.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric Hug whose telephone number is (571) 272-1192.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Griffin can be reached on 571 272-1189. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Eric Hug/
Primary Examiner, Art Unit 1791